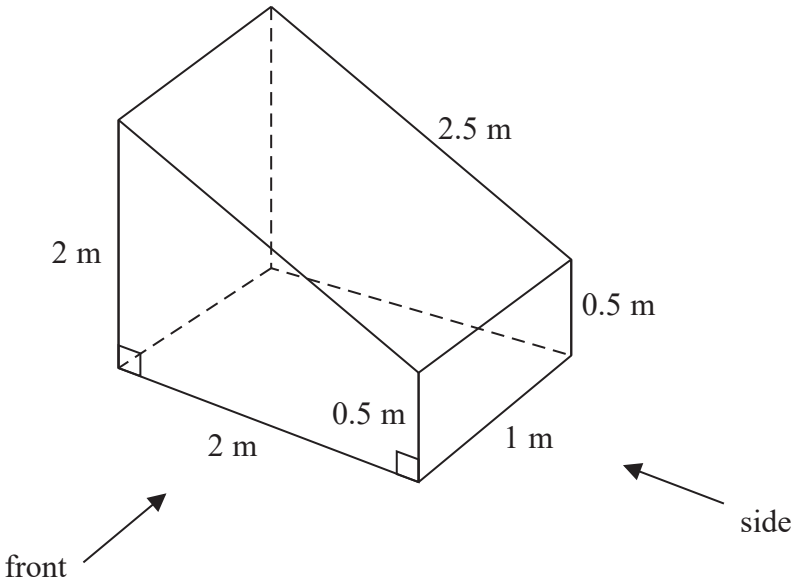
Summer 2017 Paper 2 Q19

1 The diagram shows a prism with a cross section in the shape of a trapezium.

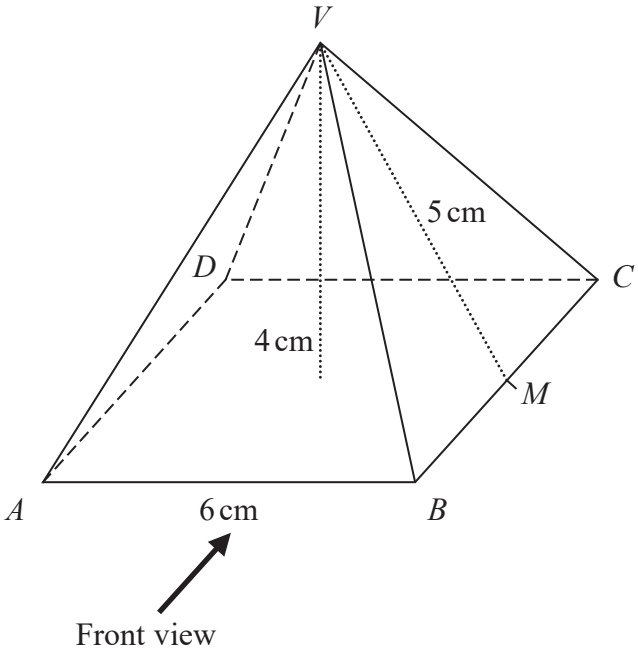


On the centimetre grid below, draw the front elevation and the side elevation of the prism.
Use a scale of 2 cm to 1 m.

(Total for Question 1 is 4 marks)

Summer 2018 Paper 1 Q23

2 Here is a solid square-based pyramid, *VABCD*.



The base of the pyramid is a square of side 6 cm.
The height of the pyramid is 4 cm.
M is the midpoint of *BC* and *VM* = 5 cm.

(a) Draw an accurate front elevation of the pyramid from the direction of the arrow.

(2)

(b) Work out the total surface area of the pyramid.

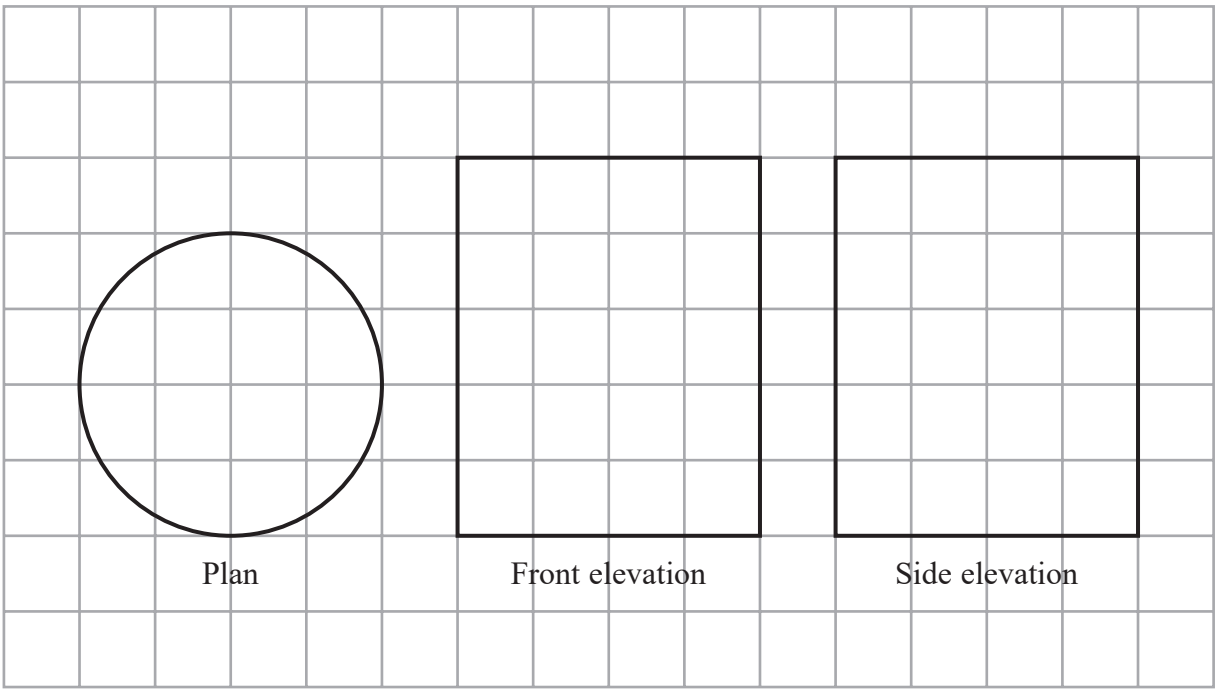
.....

(4)

(Total for Question 2 is 6 marks)

Summer 2019 Paper 1 Q25

3 The diagram shows the plan, front elevation and side elevation of a solid shape, drawn on a centimetre grid.

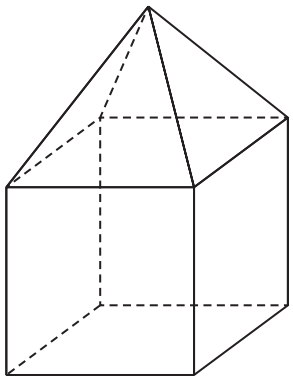


In the space below, draw a sketch of the solid shape.
Give the dimensions of the solid on your sketch.

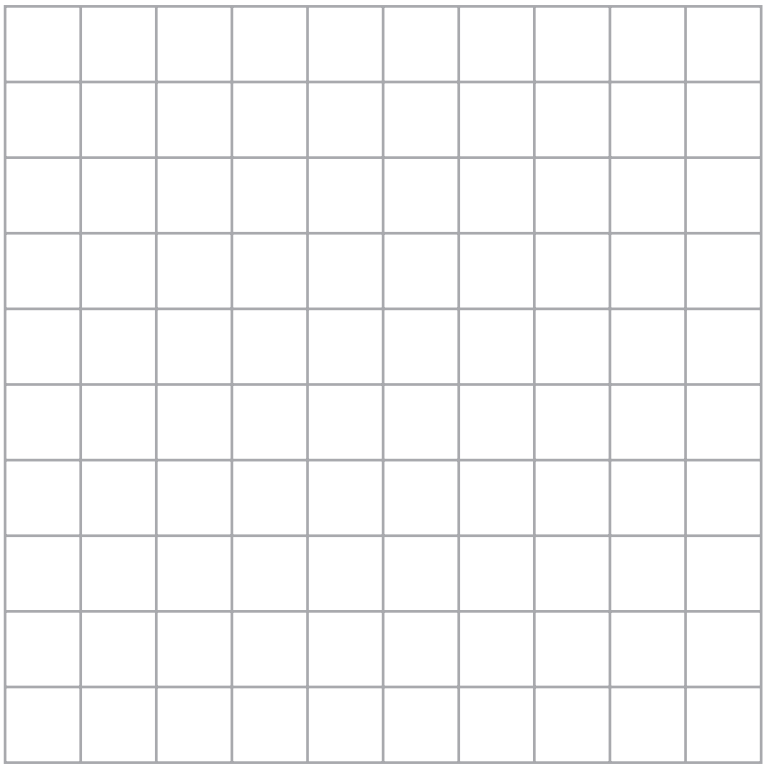
(Total for Question 3 is 2 marks)

Summer 2020 Paper 3 Q22

4 Here is a solid made from a square-based pyramid and a cube.
Each edge of the solid has length 6 cm.



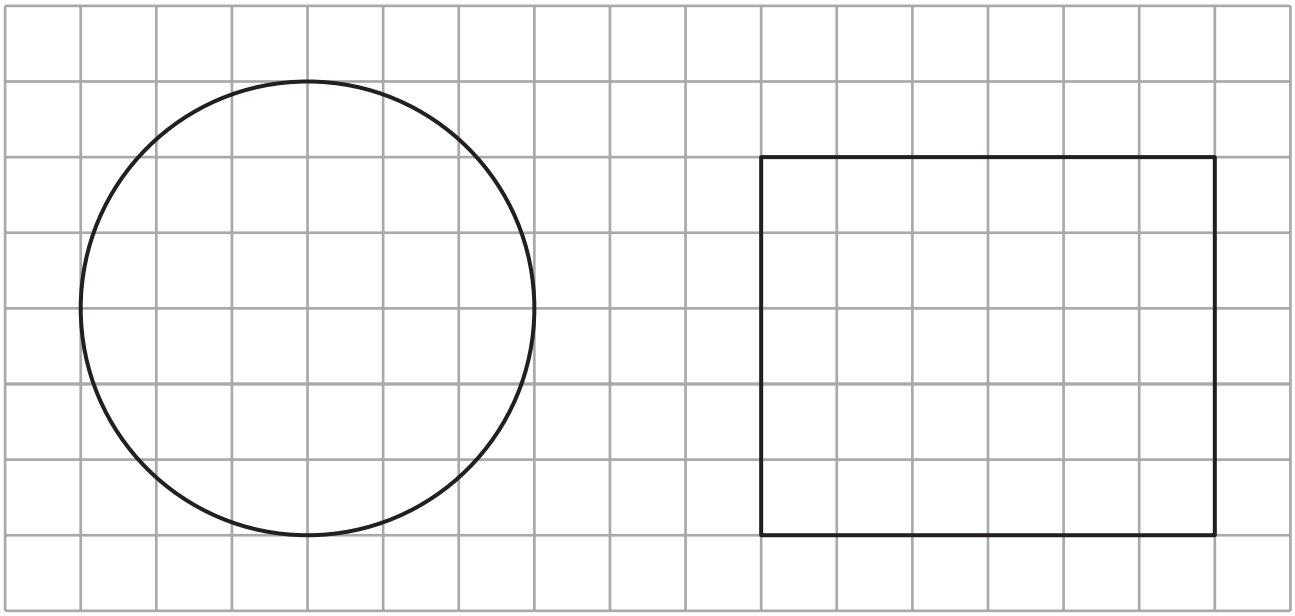
On the centimetre grid, draw the plan of this solid.



(Total for Question 4 is 2 marks)

Summer 2022 Paper 1 Q22

5 The centimetre grid shows the plan and the front elevation of a cylinder.



Plan Front elevation

Work out the volume of the cylinder.
Give your answer in terms of π

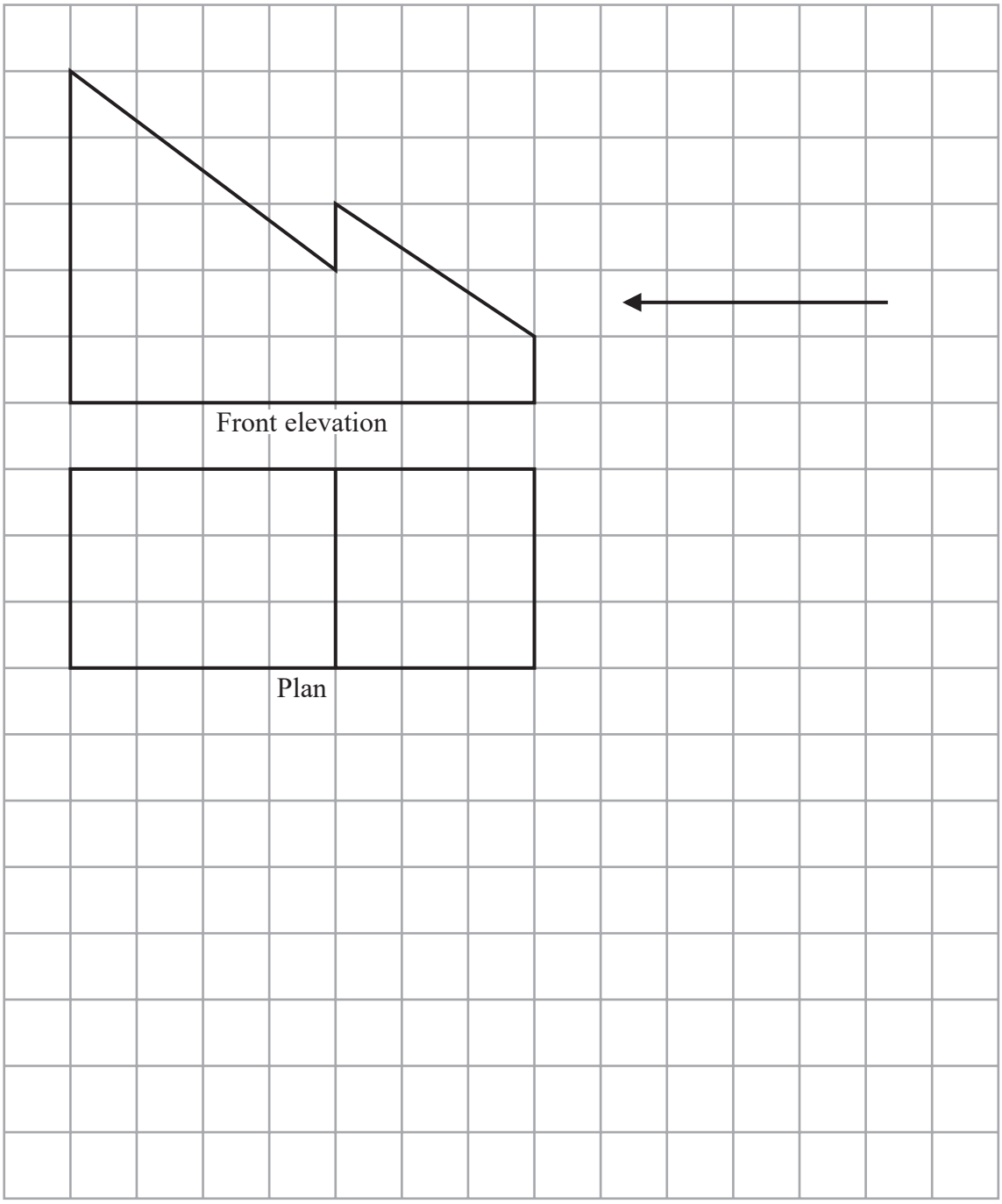
..... cm^3

(Total for Question 5 is 3 marks)

Autumn 2022 Paper 2 Q19

6 The front elevation and the plan of a solid are shown on the grid.

On the grid, draw the side elevation of the solid from the direction of the arrow.



(Total for Question 6 is 2 marks)